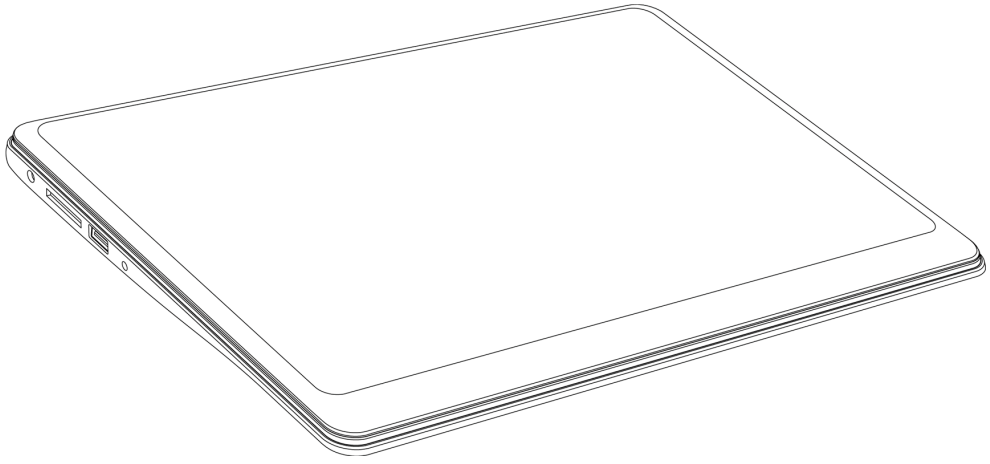
# X501H Notebook Computer

## USER'S MANUAL
## ENGLISH



July 2012

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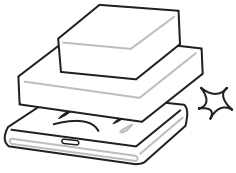
# TAKING CARE OF YOUR NOTEBOOK PC

To prevent possible overheating of the computer's processor, make sure you don't block the openings provided for ventilation.

**DO NOT** use your notebook computer under harsh conditions.

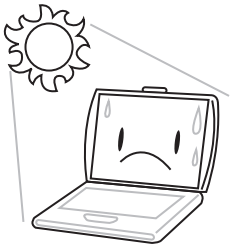
**DO NOT** place on uneven or unstable work surfaces.

**DO NOT** subject the computer to magnetic fields.



**DO NOT** place or drop objects on the computer and **DO NOT** apply heavy pressure on it.

**DO NOT** use or store in extreme temperatures.

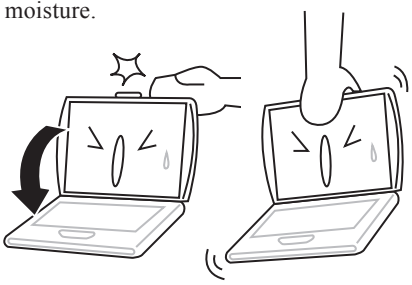


**DO NOT** expose to direct sunlight.

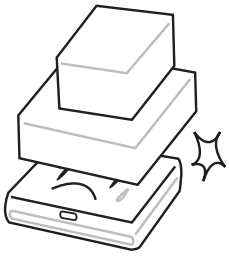
Avoid sudden changes in temperature or humidity by keeping it away fromA/C and heating vents.

**DO NOT** expose the computer to rain or moisture.

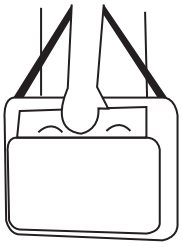
**DO NOT** place near fire or other sources of heat.



**DO NOT** slam your notebook shut and never pick up or hold your notebook by the display.



**DO NOT** expose to dust and/or corrosive chemicals.



If you are traveling with your computer, remember to carry it as hand luggage. Do not check it in as baggage.

**DO NOT** spray water or any other cleaning fluids directly on the display.

# BEFORE YOU START

## Make sure you have everything

When you receive your notebook PC, unpack it carefully, and check to make sure you have all the items listed below. For a pre-configured model you should have the following:

- Notebook Computer
- AC adapter with power cord
- Driver and Applications CD
- Quick Start Guide or User Guide

Depending upon the configuration of your notebook, you may also need the following items:

- Dual DVD+/-RW Application CD
- Super Multi DVD RW Application CD
- Blu-ray/DVD RW Application Disc

Once you have checked and confirmed that your notebook system is complete, read through the following pages to learn about all of your notebook components.

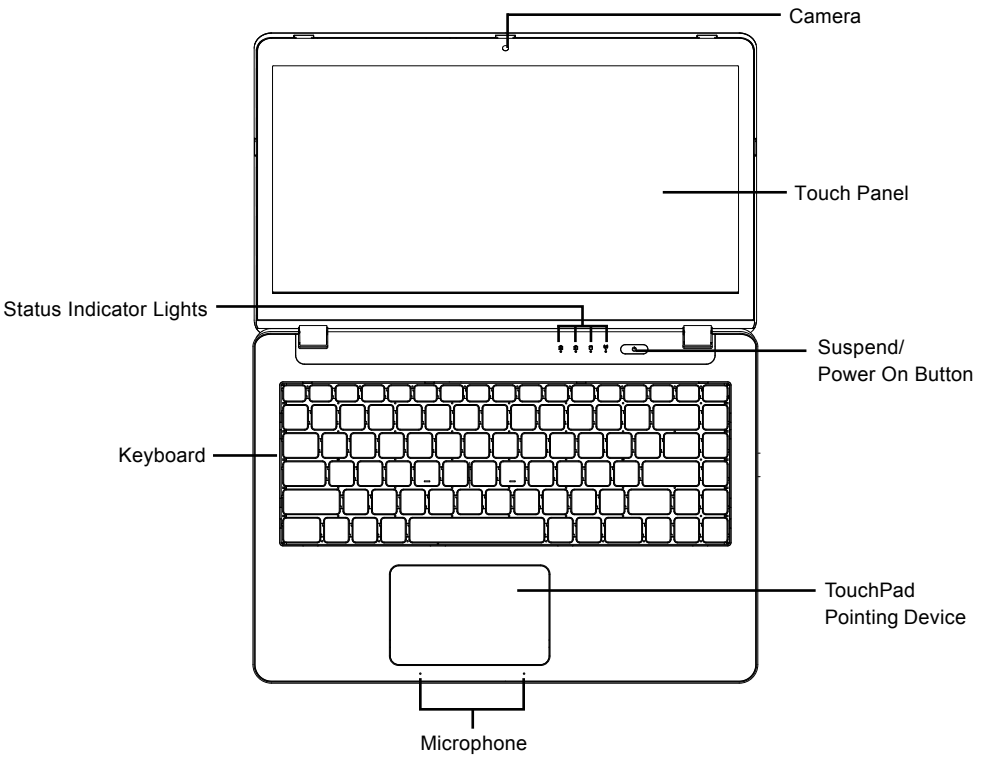
**Depending on the model you purchased, the actual appearance of your notebook may vary from that shown in this manual.**

# Familiarize yourself with the computer

## OPENING THE DISPLAY PANEL

## FRONT OVERVIEW

The following is an overview of the front of the notebook.




### Camera

The built-in HD/VGA camera allows you to snap a photo or create a video chat or video conference with just a click.

### Microphone

The built-in microphone allows for the reception and transmission of voice and/or other audio data to any program capable of accepting such input.

### Touch panel

The touch panel is a multi-touch support pointing device.

## Suspend/Power On Button

This button turns your notebook on and off or puts it to sleep. (See Suspend/Power On Button in the Power On section for more information.)

## TouchPad Pointing Device

The TouchPad pointing device is a mouse-like cursor control with a touch sensitive movement pad.

## Status Indicator Lights

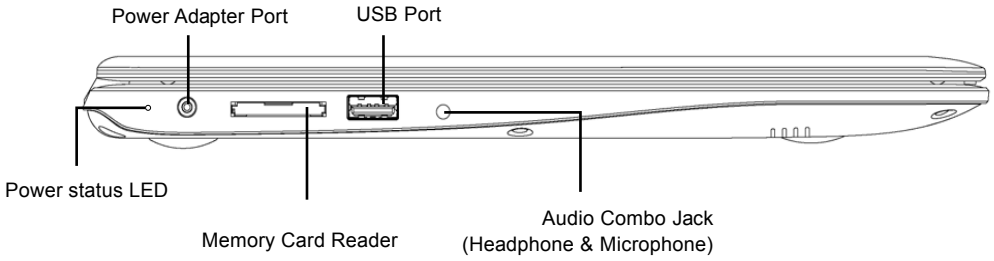
The Status indicator lights correspond to specific operating modes. These modes are: Suspend/ Power On status, battery/AC adapter status, and hard disk drive (HDD) activity.

## Keyboard

A full-size keyboard with the numeric keys and the dedicated Windows® keys.

## LEFT SIDE OVERVIEW

The following is a brief description of the left side of the notebook.




### Power Adapter Port

The power adapter port allows you to plug in the AC adapter to power your notebook and charge the internal Lithium-Ion battery.

### Memory Card Reader

The memory card reader offers the fastest and most convenient method to transfer pictures, music and data between your notebook and flash compatible devices such as digital cameras, MP3 players, mobile phones, and PDAs.

### Power status LED

This LED will change color or flash, when system status change or battery charging.

### USB Port

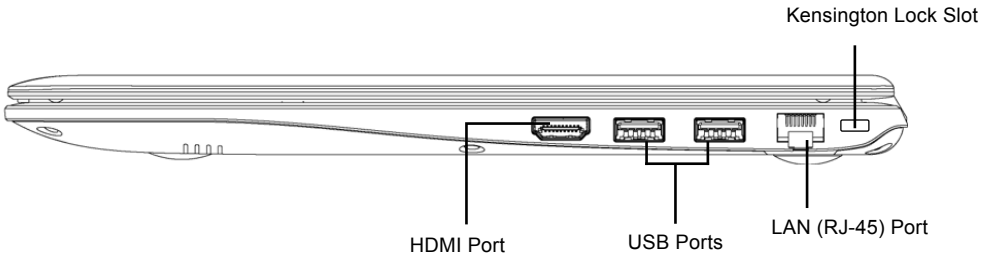
The USB port allow you to connect Universal Serial Bus devices. They support v3.0 of the USB standard, which allows data exchange rates as high as 4.8 Gb/s. The USB port supports sleep-and-charge functionality. USB 3.0 is backwards compatible with USB 2.0.

### Audio Combo Jack (Headphone & Microphone)

The audio combo jack allows you to connect headphones, external speakers, amplifiers or an external mono microphone.

## RIGHT SIDE OVERVIEW

The following is a brief description of the right side of the notebook.




### USB Ports

The USB ports allow you to connect Universal Serial Bus devices. They support v2.0 of the USB standard, which allows data exchange rates as high as 480 Mb/s.

### HDMI Port

The HDMI port allows you to connect a video device such as a television, a projector, or a VCR to your computer.

### LAN (RJ-45) Port

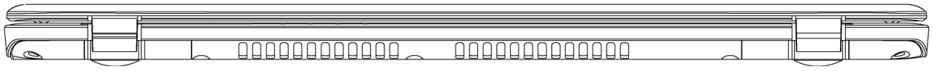
The LAN port is designed to support a 10/100/1000 Base-T standard RJ-45 plug.

### Kensington Lock Slot

The Kensington lock slot allows you to secure your notebook to an immovable object with an optional security cable.

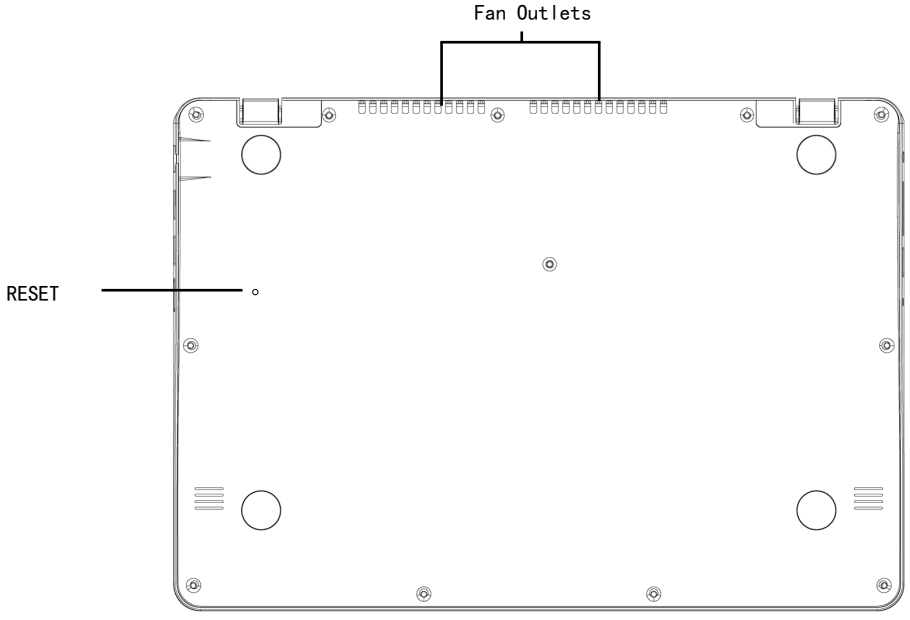
## BACK OVERVIEW

The following is an overview of the back of the notebook.



## BOTTOM OVERVIEW

The following is an overview of the bottom of the notebook.




### Fan Outlets

These are open ports for the fan to dissipate heat from the computer's internal components. Do not block or place the computer in such a position that you inadvertently allow the outlet to become blocked.

### Reset

For system reset, power will shutdown.

# GETTING STARTED

## Power Sources

Your computer has two types of power source: a Lithium-Ion battery or an AC adapter.

### CONNECTING THE POWER ADAPTERS

The AC adapter provides power for operating your notebook PC and charging the battery.

#### Connecting the AC Adapter

1.Plug the DC output cable into the DC power jack of your notebook PC.
2.Plug the AC adapter into an AC electrical outlet.

#### Switching from AC Adapter Power to Battery Power

Remove the AC adapter. Your notebook will automatically switch to battery power.

**The polymer battery is not charged upon purchase. Initially, you will need to connect the AC adapter to use your notebook PC.**

# RECHARGING THE BATTERY

The polymer battery is recharged internally using the AC adapter. To recharge the battery, make sure the battery is installed and the computer is connected to the AC.

There is no "memory effect" in The polymer batteries; therefore you do not need to discharge the battery completely before recharging. The charge times will be significantly longer if your notebook PC is in use while the battery is charging. If you want to charge the battery more quickly, put your computer into Suspend mode, or turn it off while the adapter is charging the battery.

## Low Battery State

When the battery charge is low, a notification message appears. If you do not respond to the low battery message, the battery continues to discharge until it is too low to operate. When this happens, your notebook PC goes into Suspend mode. There is no guarantee your data will be saved once the notebook reaches this point.

**To protect your computer from damage, use only the power adapter that came with it because each power adapter has its own power output rating.**

## Battery Replacement

There is danger of explosion of an incorrect battery type is used for replacement. For computers equipped with a replaceable lithium-ion battery pack, the following applies:

- if the battery is placed in an OPERATOR ACCESS AREA, there shall be a marking close to the battery, or a statement in both the operating and the servicing instructions;
- if the battery is placed elsewhere in the computer, there shall be a marking close the battery or a statement in the servicing instructions.

The marking or statement shall include the following or similar text:

**Risk of explosion if battery is replaced with an incorrect type. Dispose of used batteries according to the instructions.**

Once your note computer goes into Suspend mode as a result of a dead battery you will be unable to resume operation until you provide a source of power either from an adapter, or a charged battery. Once you have provided power, you can press the Suspend/Re sume button to resume operation. In Suspend mode, your data is maintained for some time, but if a power source is not provided promptly, the Power indicator stops flashing and the goes out, in which case you have lost the data that was not saved. Once you provide power, you can continue to use your computer while an adapter charges the battery.

# GETTING STARTED

## Starting Your Notebook

### POWER ON

#### Suspend/Power On Button

The suspend/power on switch is used to turn on your notebook from its off state. Once you have connected your AC adapter or charged the internal Lithium-Ion battery, you can power on your notebook by pressing the suspend/power on button located above the keyboard. If you need to take an extended break press the button again to turn it off.

**Do not carry your notebook around with the power on or subject it to shocks or vibration, as you risk damaging the hard disk.**

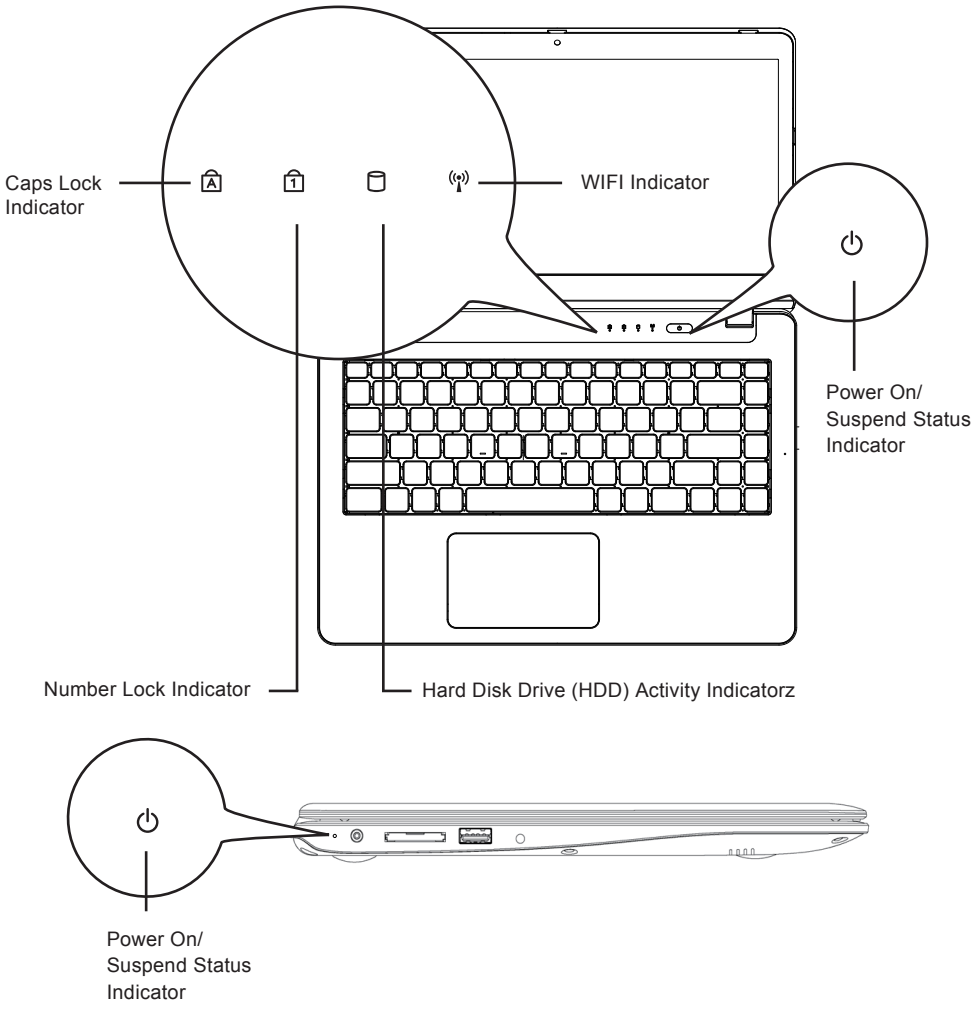
When you power on your notebook, it will perform a Power On Self Test (POST) to check the internal parts and configuration for correct functionality. If a fault is found, your computer emits an audio warning and or displays and error message.

Depending on the nature of the problem, you may be able to continue by starting the operating system or by entering the BIOS setup utility and revising the settings.
After satisfactory completion of the Power On Self Test (POST), your notebook loads the installed operating system.

**Never turn off your notebook during the Power On Self Test (POST), or an unrecoverable error may occur.**

## STATUS INDICATORS

The status indicator lights correspond to specific operating modes. These modes are: Powervv on/Suspend status, Battery/AC Adapter status, and hard disk drive (HDD) activity.


Caps Lock Indicator
WIFI Indicator
Power On/ Suspend Status Indicator
Number Lock Indicator
Hard Disk Drive (HDD) Activity Indicatorz
Power On/ Suspend Status Indicator

### Power On Indicator

This light on the power button and on the front of the system illuminates when the computer is powered on.

## Suspend Status Indicator

This light flashes when the computer is in the Suspend mode.

## Hard Disk Drive (HDD) Activity Indicator

The Hard Disk Drive (HDD) Activity indicator tells you whether your internal hard drive is being accessed and, if so, how fast.

## Caps Lock Status Indicator

Caps Lock  indicator show you the keyboard case on or off.

## Number lock Status Indicator

Number lock indicator show the Number keyboard on or off.

## Wifi Indicator

Wifi Indicator show you the wifi module on or off.

## USING FUNCTION KEYS

Your computer has 12 function keys, F1 through F12. The functions assigned to these keys differ for each application. You should refer to your software documentation to find out how these keys are used.

The [FN] key provides extended functions for the notebook and is always used in conjunction with another key.

•[FN+F1]: Places the notebook in Suspend mode. Pressing the Power button returns it to active mode.

•[FN+F2]: Enables or disables the wireless network connection.

•[FN+F3]: Allows you to change your selection of where to send your display video. Each time you press the combination of keys you will step to the next choice. The choices, in order, are: built-in display panel only, both built-in display panel and external monitor, or external monitor only.

•[FN+F4]: Decreases the screen Brightness.

•[FN+F5]: Increases the screen Brightness.

•[FN+F6]: Mutes the computer's volume.

•[FN+F7]: Decreases the computer's volume.

•[FN+F8]: Increases the computer's volume.

•[FN+F9]: Shut down the Panel Backlight

•[FN+F10]: Tune on the Web camere

•[FN+F11]: Goes to Tune on the Bluetooch

•[FN+Esc]: Enables or disables the TouchPad function.

•[FN+Ins]: Enable Number Lock keyboard

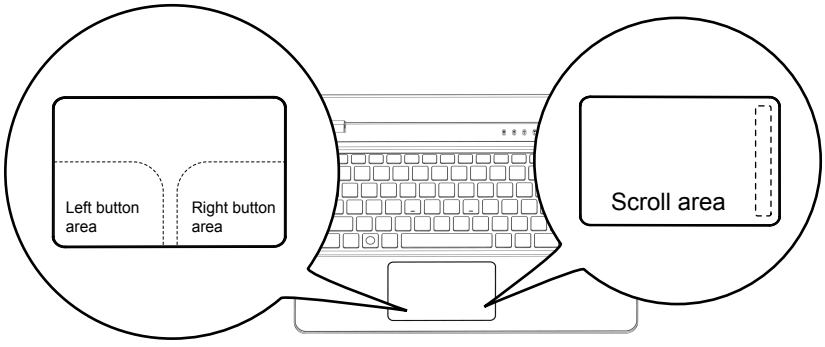
# GETTING STARTED

## USING THE TOUCHPAD

A TouchPad pointing device comes built into your computer. It is used to control the movement of the pointer to select items on your display panel.

### The cursor

Control works the same way a mouse does, and moves the cursor around the display. It only requires light pressure from the tip of your finger. The touchpad includes the left and right buttons that function as mouse buttons. The actual functionality of the left and right buttons may vary depending on the application that is being used. Finally, the scroll bar allow you to navigate quickly through pages, without having to use the on-screen cursor to manipulate the up and down scroll bars.




### Clicking

Clicking means pushing and releasing a button. To left-click, move the cursor to the item you wish to select, press the left button once, and then immediately release it. To right-click, move the mouse cursor to the item you wish to select, press the right button once, and then immediately release it. You also have the option to perform the clicking operation by tapping lightly on the TouchPad once.

### Double-Clicking

Double-clicking means pushing and releasing the left button twice in rapid succession. This procedure does not function with the right button. To double-click, move the cursor to the item you wish to select, press the left button twice, and then immediately release it. You also have the option to perform the double-click operation by tapping lightly on the TouchPad twice.

### Dragging

Dragging means pressing and holding the left button, while moving the cursor. To drag, move the cursor to the item you wish to move. Press and hold the left button while moving the item to its new location and then release it. Dragging can also be done using only the TouchPad. First, tap the TouchPad twice over the item you wish to move making sure to leave your finger on the pad after the final tap. Next, move the object to its new location by moving your finger across the TouchPad, and then release your finger. Using the Scroll bar allows you to navigate through a document quickly without using the window's scroll bars. This is particularly useful when you are navigating through on-line pages.

# TROUBLESHOOTING

Your notebook PC is sturdy and subject to few problems in the field. However, you may encounter simple setup or operating problems that you can solve on the spot, or problems with peripheral devices, that you can solve by replacing the device. The information in this section helps you isolate and resolve some of these straightforward problems and identify failures that require service.

## Identifying the Problem

If you encounter a problem, go through the following procedure before pursuing complex troubleshooting:

1.Turn off your notebook.
2.Make sure the AC adapter is plugged into your notebook and to an active AC power source.
3.Make sure that any card installed in the PC Card slot is seated properly. You can also remove the card from the slot, thus eliminating it as a possible cause of failure.
4.Make sure that any devices connected to the external connectors are plugged in properly. You can also disconnect such devices, thus eliminating them as possible causes of failure.
5.Turn on your notebook. Make sure it has been off at least 10 seconds before you turn it on.
6.Go through the boot sequence.
7.If the problem has not been resolved, contact your support representative.

Before you place the call, you should have the following information ready so that the customer support representative can provide you with the fastest possible solution:
•Product name
•Product configuration number
•Product serial number
•Purchase date
•Conditions under which the problem occurred
•Any error messages that have occurred
•Hardware configuration
•Type of device connected, if any

See the Configuration Label on the bottom of your notebook for configuration and serial numbers.

# MEMO

## Federal Communications Commission (FCC) Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1)This device may not cause harmful interference.

(2)This device must accept any interference received, including interference that maycause undesired operation.

Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment. FCC RF Radiation Exposure Statement: This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or tra nsmitter. This equipment has been tested and found to comply with the li mits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, maycause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

•Reorient or relocate the receiving antenna.

•Increase the separation between the equipment and receiver.

•Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

•Consult the dealer or an experienced radio/TV technician for help.

FCC RF Radiation Exposure Statement:

1.This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

2.This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure compliance requirements, avoid direct contact to the transmitting antenna during transmitting.

# MEMO